



Quick Installation Guide

TPE-S44

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1. Antes de iniciar



Contenidos del paquete

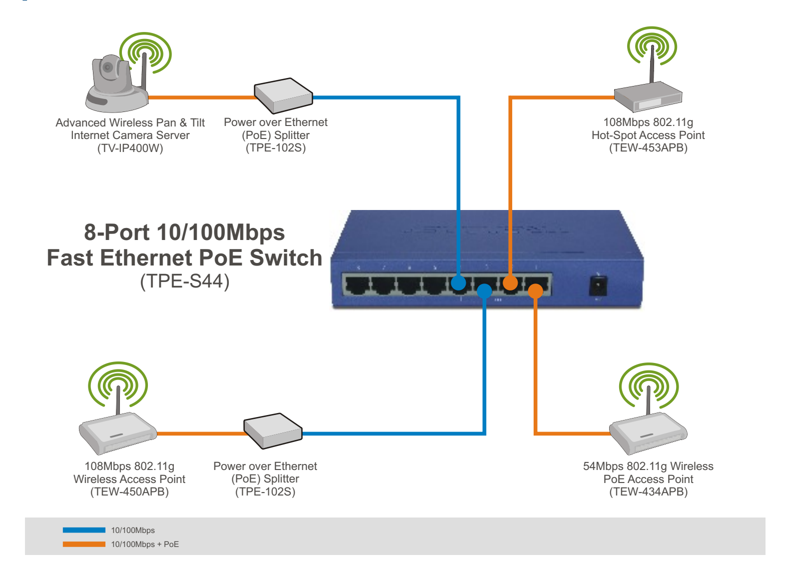
- TPE-S44
- Guía de instalación rápida
- Adaptador eléctrico (48VAC, 0.8A)
- Cable de alimentación
- Pies de goma

Requisitos del sistema

- Un PC con adaptador de red instalado correctamente
- Cable de red RJ-45
- La superficie debe soportar al menos 1.5 Kg para el conmutador
- La toma de corriente debe estar a 1.82 metros (6 pies) del conmutador
- Inspeccione visualmente el jack de alimentación DC para comprobar que está conectado al adaptador de alimentación
- Compruebe que existe una correcta regulación de la temperatura y una ventilación adecuada alrededor del conmutador
- No coloque objetos pesados encima del conmutador
- Dispositivo PD (Alimentado) IEEE 802.3af
- TPE-102S (Opcional)

Nota: El TPE-S44 sólo es compatible con dispositivos PD (Alimentados) que siguen el estándar IEEE 802.3af Modo A (pin 1, 2, 3, 6)

Aplicación


Advanced Wireless Pan & Tilt
Internet Camera Server
(TV-IP400W)
Power over Ethernet
(PoE) Splitter
(TPE-102S)
108Mbps 802.11g
Hot-Spot Access Point
(TEW-453APB)
8-Port 10/100Mbps
Fast Ethernet PoE Switch
(TPE-S44)
108Mbps 802.11g
Wireless Access Point
(TEW-450APB)
Power over Ethernet
(PoE) Splitter
(TPE-102S)
54Mbps 802.11g Wireless
PoE Access Point
(TEW-434APB)
10/100Mbps
10/100Mbps + PoE

2. Identificación de los componentes externos

Esta sección identifica los componentes externos más importantes del conmutador. Tanto los paneles frontales como posteriores contienen las descripciones de cada característica del panel.

Nota: Al encender el conmutador, se ENCENDERÁN todos los LED alrededor de un segundo y después se APAGARÁN. Sólo el LED de alimentación permanecerá encendido.

Panel frontal

PoE MAX
Si el conmutador detecta que hay 7.5W de energía o menos disponible, este LED se encenderá. Esto indica una sobrecarga de energía. Si el conmutador detecta que hay más de 7.5W de energía disponible, el LED no se encenderá.

Estatus PoE (Puertos 1~4)
Cuando el conmutador está conectado al dispositivo PoE y el puerto suministra energía de manera exitosa, el LED tendrá una luz verde. Si el LED tiene una luz roja, es porque el puerto no puede suministrar energía. Si no hay ningún dispositivo PD (Alimentado) conectado, el LED no se encenderá.



Panel frontal

Alimentación del sistema
Cuando el LED está encendido, el conmutador recibe energía.



100Mbps (Puertos 1~8)
Si el LED está encendido, el puerto está conectado a un dispositivo Fast Ethernet activo. Si el LED no está encendido, entonces el puerto está conectado a una conexión Ethernet o no hay conexión en ese puerto.

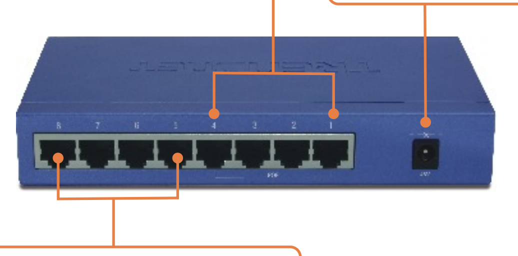
Link/Act (Puertos 1~8)
Si el LED está encendido, el puerto está conectado a un dispositivo Fast Ethernet/Ethernet activo. Este indicador LED enciende una luz verde intermitente cuando el puerto transmite o recibe datos.

Panel posterior

Puertos PoE (1~4)
El puerto PoE se activará de manera automática cuando detecte un dispositivo compatible. El conmutador suministrará energía desde el puerto Ethernet al dispositivo PD (Alimentado) conectado.

Jack de alimentación DC:
La energía se suministra a través de un adaptador de alimentación AC externo. Compruebe la sección de especificación técnica para más información sobre el voltaje de alimentación DC.

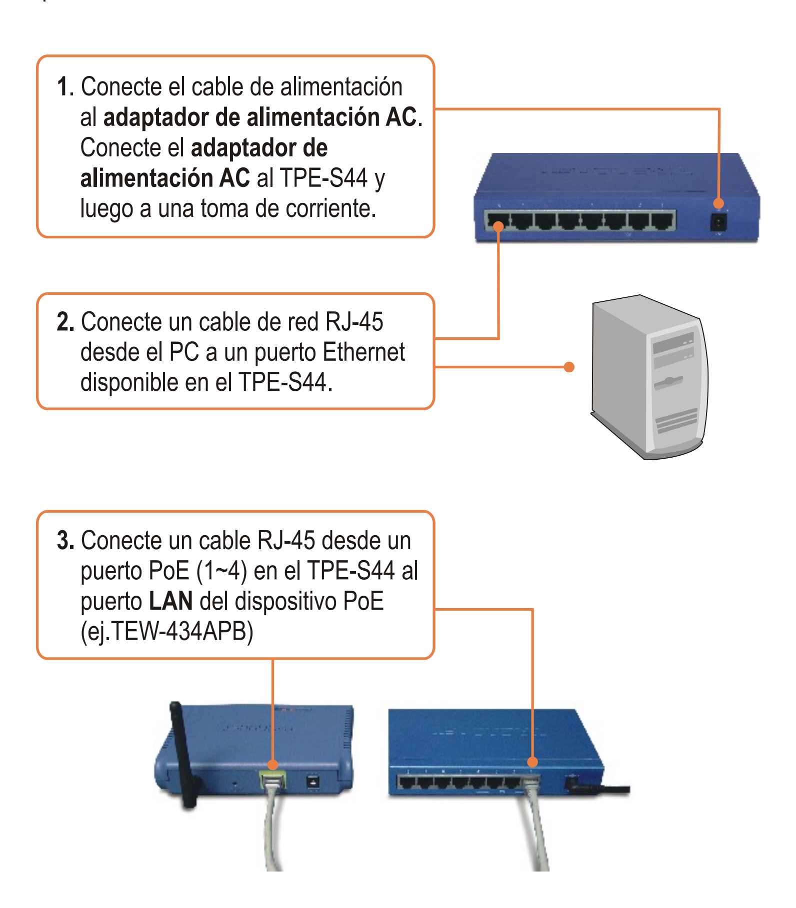
En vista de que el conmutador no incluye un conmutador de alimentación on/off (encendido/apagado), conectar el adaptador de alimentación a una toma de corriente encenderá de inmediato el conmutador.



Ethernet Ports (5~8)
Si el LED enciende una luz verde, el conmutador está recibiendo energía.

3. Instalación del Hardware

Nota: La máxima cantidad de energía disponible es de 15.4 vatios por puerto y de 30 vatios en total. Si se produce una sobrecarga, el conmutador priorizará la distribución de energía por puerto (desde la más baja hasta la más alta) Es decir, el puerto 1 recibirá la prioridad más alta y el puerto 4 la más baja. Los puertos con la menor prioridad tendrán la función PoE inactiva hasta que estén disponibles más de 7.5 vatios.



1. Conecte el cable de alimentación al **adaptador de alimentación AC**. Conecte el **adaptador de alimentación AC** al TPE-S44 y luego a una toma de corriente.

2. Conecte un cable de red RJ-45 desde el PC a un puerto Ethernet disponible en el TPE-S44.

3. Conecte un cable RJ-45 desde un puerto PoE (1~4) en el TPE-S44 al puerto **LAN** del dispositivo PoE (ej.TEW-434APB)

4. Compruebe que estén encendidas las siguientes luces del panel: **Alimentación del sistema (System Power), Estatus PoE y Link/ACT**.

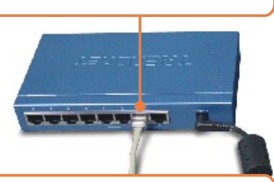


Uso del TPE-S44 y del TPE-102S con un dispositivo no POE

1. Seleccione el voltaje adecuado (5V ó 12V).



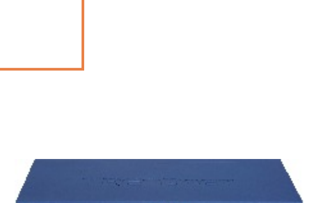
2. Conecte un cable Ethernet desde un puerto PoE (1~4) en el conmutador TPE-S44 al puerto POE IN del TPE-102S.



3. Conecte un cable Ethernet desde el dispositivo no PoE al puerto DATA OUT del TPE-102S.

4. Conecte el cable jumper suministrado a un dispositivo no PoE (ej. TV-IP100) y al TPE-102S.

5. Compruebe que estén encendidas las siguientes luces del panel: **Alimentación del sistema (System Power), Estatus PoE y Link/ACT**.



General	
Standards	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet ANSI/IEEE 802.3 NWay Auto-negotiation IEEE 802.3x Full-Duplex Flow Control IEEE 802.3af Power over Ethernet
Protocol	CSMA/CD
Data Transfer Rates	Ethernet: 10Mbps (half-duplex), 20Mbps (full-duplex) Fast Ethernet: 100Mbps (half-duplex), 200Mbps (full-duplex)
Topology	Star
Network Cables	Ethernet: UTP/STP CAT-3, -4, -5 ; up to 100M Fast Ethernet: UTP/STP CAT-5, -5e, -6; up to 100M
Number of Ports	4 × 10/100Mbps Auto-MDIX RJ45 ports with PoE enabled (port 1 ~ port 4) 4 × 10/100Mbps Auto-MDIX RJ45 ports (port 5 ~ port 8)
PoE Power on RJ-45	Power+: pin 3 & pin 6 Power-: pin 1 & pin 2
LED	Per Unit: System Power; PoE Max Per 10/100 Port: Link/ACT, 100 Per PoE Port: PoE Status, Link/ACT, 100

Physical and Environmental	
DC inputs	48V DC, 0.8A
Power Consumption	6.3 watts. (max. for ports 5~8) 30 watts (max for PoE ports) 36.3 watts (total)
Temperature	Operating: 0° ~ 40° C, Storage: -10° ~ 70° C
Humidity	Operating: 10% ~ 90%, Storage:5% ~ 90%
Dimensions	171 x 98 x 29 mm
Weight	44g
Certification	CE, FCC

Performance	
Transmission Method	Store-and-forward
Packet Filtering/ Forwarding Rate	10Mbps Ethernet: 14,880pps (packet per second) 100Mbps Fast Ethernet: 148,800pps
MAC Address Learning	Automatic Update
RAM Buffer	96K bytes per device
Filtering Address Table	1K entries per device

Q1: After connecting the Switch to a power outlet, the LEDs do not turn on.

A1: Check the connection of the external power adapter to the TPE-S44 and the power outlet. Also check that the power outlet is receiving power.

Q2: After I connect my PCs to the Switch, I am unable to share files.

A2: First, check the LEDs on the Switch. Make sure the Link/ACT LED is on. Second, check the network cable. The minimum length of the cable is 1.5 meters and the maximum length of the cable is 100 meters. Third, disable any software firewall program. Fourth, verify that you have file sharing enabled. Please contact your Operating System support for more information.

Q3: After I connect my PCs to the Switch, I can only get onto the Internet from one computer.

A3: The Switch was not designed to share Internet between multiple computers. You need to get an Internet router such as the TW100-S4W1CA.

Q4: My 802.3af Powered device does not power on when I plug the device into the Switch. What should I do?

A4: First, verify that the PoE device supports IEEE 802.3af protocol. Second, power cycle the PoE switch. Unplug power to the Switch, wait 15 seconds, then plug the power back in. Third, plug the device into a different port on the PoE switch. Fourth, try using another RJ-45 network cable. Fifth, a power overload may have an occurred. Connect your 802.3af Powered Device into port 1 and/or disconnect all other 802.3af Powered Device.

If you still encounter problems or have any questions regarding the TPE-S44 please contact TRENDnet's Technical Support Department.

Limited Warranty

TRENDnet warrants its products against defects in material and workmanship, under normal use and service, for the following lengths of time from the date of purchase.

TPE-S44 - 5-Year Warranty

If a product does not operate as warranted above during the applicable warranty period, TRENDnet shall, at its option and expense, repair the defective product or deliver to customer an equivalent product to replace the defective item. All products that are replaced will become the property of TRENDnet. Replacement products may be new or reconditioned.

TRENDnet shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to TRENDnet pursuant to any warranty.

There are no user serviceable parts inside the product. Do not remove or attempt to service the product through any unauthorized service center. This warranty is voided if (i) the product has been modified or repaired by any unauthorized service center, (ii) the product was subject to accident, abuse, or improper use (iii) the product was subject to conditions more severe than those specified in the manual.

Warranty service may be obtained by contacting TRENDnet office within the applicable warranty period for a Return Material Authorization (RMA) number, accompanied by a copy of the dated proof of the purchase. Products returned to TRENDnet must be pre-authorized by TRENDnet with RMA number marked on the outside of the package, and sent prepaid, insured and packaged appropriately for safe shipment.

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Governing Law: This Limited Warranty shall be governed by the laws of the state of California.

Note: AC/DC Power Adapter, Cooling Fan, Cables and Power Supply carry a 1-Year Warranty

Certifications
This equipment has been tested and found to comply with FCC and CE Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received. Including interference that may cause undesired operation.




Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with you Local Authority or Retailer for recycling advice.



NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

ADVERTENCIA
En todos nuestros equipos se mencionan claramente las caracteristicas del adaptador de alimentacón necesario para su funcionamiento. El uso de un adaptador distinto al mencionado puede producir daños fisicos y/o daños al equipo conectado. El adaptador de alimentación debe operar con voltaje y frecuencia de la energia electrica domiciliaria existente en el pais o zona de instalación.



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